

## Tactical Water Purification System

### Description

The Tactical Water Purification System (TWPS) is a skid-mounted, generator-powered system capable of producing potable water from a broad range of water sources—such as fresh, brackish, salt, and Nuclear, Biological and Chemical (NBC) contaminated water source—at a rate of 1,200-1,500 gallons per hour (GPH) in expeditionary environments. TWPS can be transported by highway, rail, sea, and air transport modes. The TWPS will replace the aging 600-GPH Reverse Osmosis Water Purification Units (ROWPUs) at a one for two ratio.

### Operational Impact

The TWPS will be used in the purification of salt water in more than 75 percent of its operations. Water production in an expeditionary setting is particularly critical to Marine Corps operations. The TWPS will be employed in pairs, as a direct asset within the Engineer Support Battalions, Combat Service Support Detachments, Forward Combat Service Support

Attachments, and Marine Wing Support Squadrons in support of MAGTF operations. TWPS will be integrated with the Family of Water Supply Support Equipment to provide water support for combat forces throughout the theater of operation. This capability provides the commander with options that will not tie down forces to specific locations or force them to rely on host nation support.

### Program Status

The current authorized acquisition objective is 243 TWPS. The program is currently funded for procurement during the FY 02 to FY 07 time period. The TWPS successfully completed Initial Operational Test and Evaluation (IOT&E), and will proceed into Full Rate Production (FRP) production during third quarter FY 04.

<b>Procurement Profile:</b>	FY 05	FY 06
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<b>Quantity:</b>	26	55
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#### Developer/Manufacturer:

SFA Inc., Frederick Manufacturing Division,  
Frederick, MD